

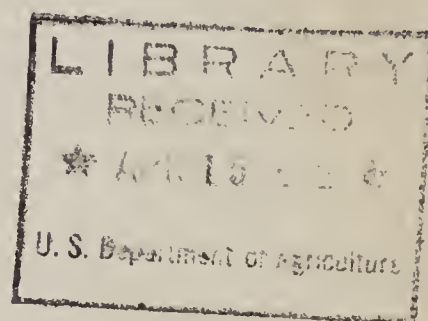
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List of Publications on
LOGGING, MANUFACTURE, AND UTILIZATION
OF TIMBER, LUMBER, AND OTHER
WOOD PRODUCTS

February 1942



UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
FOREST PRODUCTS LABORATORY
Madison, Wisconsin
In Cooperation with the University of Wisconsin

1873-1874

1875

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This list includes publications that present the results of research by the Forest Products Laboratory on methods and practices in the lumber producing and wood-consuming industries; standard lumber grades, sizes, and nomenclature; production and use of small dimension stock; specifications for small wooden products; utilization of little-used species and commercial woods; and low-grade and wood-waste surveys. Included also are other Government and commercial publications on these subjects.

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INSTRUCTIONS FOR OBTAINING PUBLICATIONS

Publications available for distribution at this Laboratory are marked with an asterisk (*).

Single technical notes, reprints, and mimeographed reports may be obtained free upon request from the Director, Forest Products Laboratory, Madison, Wis. A bound volume of the technical notes only, containing the notes listed here and notes dealing with other subjects, in all more than 100 notes, may be purchased for \$1. (This volume does not include the reprints and mimeographed reports mentioned in the list.) Remittance should accompany your order and be made by certified check or postal money order to the Fiscal Agent, U. S. Forest Products Laboratory, Madison, Wis.

Federal Government bulletins, circulars, leaflets, etc., if not available for free distribution at this Laboratory, may be purchased at the prices indicated, from the Superintendent of Documents, Government Printing Office, Washington, D. C. Send money order, draft, or cash; stamps or personal checks are not accepted.

Trade journals containing articles herein listed may often be purchased from the publishers or may be consulted in various libraries.

The Forest Products Laboratory reserves the right to furnish only those publications which in its judgment will give the information requested. Blanket requests or requests for a large number of copies of any individual article will not be filled except in unusual cases.

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- Economic and social importance of a sustained supply of raw material for the wood-using industries in the Lake States, by R. D. Garver. (Paper presented at the Lake States Forestry Conference, Madison, Wis., Apr. 24-25, 1935.)
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p.83-100. 1925. 20¢.

By Species

U. S. Forest Service foreign woods' series:

*Greenheart *Khaya *Lauans *Lignumvitae *Mahogany *Teak

U. S. Forest Service American woods' series:

*Ash	*Cypress, southern	*Pine, eastern white
*Aspen	*Dogwood	* " lodgepole
*Basswood	*Douglas-fir	* " ponderosa
*Beech	*Elm	* " sugar
*Birch	*Fir, white and	* " southern
*Cedar, Alaska	grand	* " western white
* " eastern red	*Gum, red	*Poplar, balsam
* " incense	*Hemlock, eastern	* " yellow
* " northern white	* " western	*Redwood
* " Port Orford	*Hickory	*Spruce, eastern
* " southern white	*Larch, western	* " Engelmann
* " western red	*Locust, black	* " Sitka
*Cherry, black	*Maple	*Sycamore
*Chestnut	*Oak	*Tamarack
*Cottonwood	*Persimmon	*Tupelo
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		*Willow

Red alder of the Pacific Northwest: its utilization with notes on growth and
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*The use of chestnut for boxing and crating, by R. P. A. Johnson. Purchasing Agent, Feb. 1931; same, Suitability of chestnut for boxes and crates, Barrel & Box & Packages, Jan. 1931.

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Boxing and Crating -- Strength and serviceability of shipping containers, methods of packing.

Building Construction Subjects -- Partial list of Government publications of interest to architects, builders, retail lumbermen, and engineers.

Chemistry of Wood and Derived Products -- Chemical properties and uses of wood and chemical wood products, such as turpentine, alcohol, and acetic acid.

Glue and Plywood -- Development of waterproof glues, preparation and application of various glues, plywood manufacturing problems.

Growth, Structure, and Identification of Wood -- Structure and identification of wood; the effect of cellular structure of wood on its strength, shrinkage, permeability, and other properties; the influence of environmental factors, such as light, soil, moisture, and fire, on the quality of wood produced; and secretions of economic value produced by trees and their exploitation.

Fungous Defects in Forest Products (Pathology in cooperation with the Bureau of Plant Industry) -- Heart rots of trees; decay, molds, and stains in timber, in buildings, and in wood products; anti-septic properties of wood preservatives.

Mechanical Properties of Timber -- Strength of timber and factors affecting strength; design of wooden articles or parts where strength or resistance to external forces is of importance.

OTHER PUBLICATION LISTS ISSUED BY THE
FOREST PRODUCTS LABORATORY (continued)

Pulp and Paper -- Suitability of various woods for pulp and paper; fundamental principles underlying the pulping and bleaching processes; methods of technical control of these processes; relation of the chemical and physical properties of pulps and the relation of these properties to the paper-making qualities of the pulps; waste in the industry, for example, decay in wood and pulp, utilization of bark, white water losses, etc.

Seasoning of Wood -- Experimental and applied kiln drying, physical properties, air drying, steam bending.

Use of Wood in Aircraft Construction -- Strength, selection and character of aircraft wood and plywood; fabrication and assembly problems; methods of calculating the strength of wooden parts; structure of wood in relation to its properties and identification.

Wood Finishing Subjects -- Effect of coatings in preventing moisture absorption; painting characteristics of different woods, weathering of wood.

Wood Preservation -- Preservative materials and methods of application; durability and service records of treated and untreated wood in various forms.

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